

SMIRNOV, G.

Trial and error. Prof.-tekhn. obr. 22 no.9:25-26 S '65. (MIRA 18:9)

SMIRNOV, G.

Centralized transportation of semifinished building materials.
Avt. transp. 43 no. 10:14-15 O '65. (MIRA 18:10)

1. Transportnoye upravleniye Glavsevkavstroya.

SMIRNOV, G., gvardii podpolkovnik, voyennyj letchik pervogo klassa

Every flight is a step to mastership. Av.i kosm. 46 no.6:48-51
Je '63. (MIRA 16:8)

(Flight training)

SMIRNOV, G., inzh.

Curious phenomena of great importance. Tekh.mol. 30
no.9:39-40 '62. (MIRA 15:9)
(Marine engineering)

SMIRNOV, G., inzh.

External combustion engine. Tekh.mol. 29 no.4:4 Ap '61.
(MIRA 14:5)
(Gas and oil engines)

SMIRNOV, G., ekonomist

Exercise strictest financial control over the assignment of capital investment limits. Fin. SSSR 22 no.3:81-83 Mr '61.
(MIRA 14:7)

1. Nauchno-issledovatel'skiy institut ekonomiki stroitel'stva Akademii stroitel'stva i arkhitektury SSSR.
(Construction industry--Finance)
(Banks and banking)

SMIRNOV, G., podpolkovnik

Aviator came to the shipbuilders. Starsh.-serzh. no.4:30 Ap
'62. (MIRA 15:4)
(Planing hulls)

SMIRNOV, G., podpolkovnik

The foremost aviation unit. Komm. Vooruzh. Sil 46 no.2:
48-53 Ja '66. (MIRA 19:1)

SMIRNOV, G., inzh.

Flasks instead of machine tools. Izobr. i rats. no. 4:14-17
'63. (MIRA 16:7)

(Electric metal cutting)
(Electrochemistry, Industrial)

SMIRNOV, G., inzh.

A whirlwind does the smelting. Tekh.mol. 29 no.9:36 '61.
(MIRA 14:10)
(Metallurgical furnaces)

SMIRNOV, G., inzh.

Hydroelectric-power plants without turbines. Nauka i tekhnika
14 no.10:26 0 '62.

BLAGMAN, B.; SMIRNOV, G.

Two years of working in the new way. Prof.-tekhn.oibr. 20
no. 24-7 F '63. (MIRA 16:2)

1. Direktro Dnepropetrovskogo gorodskogo professional'no-
tekhnicheskogo uchilishcha No.1 (for Blagman).
(Building trades—Study and teaching)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001651520007-4

SMIRNOV, G.

Programmed instruction. Prof.-tekh. obr. 21 no.7:17-19 Jl '64.
(MIRA 17:11)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001651520007-4"

SMIRNOV, G.

Machanization of computing operations. Avt. transp. 41
no.12:26-28 D '63. (MIRA 17:1)

SMIRNOV, G.

One hundred years old, but still young science. Nauka i
tekhnika mladezh' 16 no. 3:18-23 Mr '64.

SMIRNOV, G. A.: Master Phys-Math Sci (diss) -- "A transformation of generalized methods of summing series". Moscow, 1959. 4 pp (Moscow City Pedagogical Inst im V. P. Potemkin), 150 copies (KL, No 16, 1959, 106)

AUTHOR
TITLE

SMIRNOV, G.A.
On the Construction of Spiral Spring Dynamometers.

32-6-46/54

(O konstruirovanií pruzhinných dinamometrov krucheniya.-
Russian)

PERIODICAL

Zavodskaya Laboratoriya 1956, Vol 23, Nr 6, pp 762-762
(U.S.S.R.)

ABSTRACT

The author criticizes a work published by V.N. GARBARCHUK under the same title in Zavodskaya Laboratoriia 1956, Vol 22, Nr 12 and declares that it only misleads constructors. The error committed by GARBARCHUK consists in the fact that although GARBARCHUK gives a correct formulation of the oscillation moment of the machine, he forgets the oscillation moment of the half-socket of the dynamometer. Calculations carried out in this connection show that the use of light metals for the production of such half sockets practically does not change the eigenfrequency of the system "machine-dynamometer-motor", and that therefore constructors should make a point of not projecting light metal half sockets (as recommended by GARBARCHUK), but to see to a sufficient degree of hardness for the measuring system because the introduction of a measuring spiral of insufficient hardness may

CARD 1/2

GRIGOR'YEV, M.A., kand.tekhn.nauk; SMIRNCV, G.A.

Dimension series for centrifuges. Avt.prom. 28 no.5:17-20
My '62. (MIRA 15:5)

1. Gosudarstvennyy soyuznyy ordena Trudovogo Krasnogo Znameni
nauchno-issledovatel'skiy avtomobil'nyy i avtomotornyy institut
i Gosudarstvennyy soyuznyy nauchno-issledovatel'skiy traktornyj
institut.

(Motor vehicles--Engines--Oil filters)

KEMPINSKIY, Mikhail Mendelevich; RIFTIN, L.P., kand.tekhn.nauk, retsenzent;
SMIRNOV, G.A., kand.tekhn.nauk, red.; SIMONOVSKIY, N.Z., red.
izd-va; SPERANSKAYA, O.V., tekhn.red.

[Designing mechanisms for use in measuring instruments]
Proektirovanie mekhanizmov izmeritel'nykh priborov. Moskva,
Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 140 p.
(MIRA 12:6)

(Measuring instruments)

SMIRNOV, G. A.

The following is among dissertations of the Leningrad Polytechnic Institute imeni Kalinin:

"Application of Electrical Recorders in the Investigation of Machines." 12 May 1952. On the basis of theoretical and experimental investigations, equations and data are proposed which can have practical application in the perfection of existing electromagnetic chronographs in connection with problems of the experimental investigation of high-speed automatic and semiautomatic machines.

SO: M-1048, 28 Mar 56 (Agreed not specified in M-1048)

Electrophotography 10-10, 1952.

SMIRNOV, G.A.

Accuracy of the method of markings. Nauch.-tekhn.inform.biul.
LPI no.11:19-31 '58. (MIRA 12:11)
(Electromechanical analogies)

SOV/145-59-3-7/21

The Operating Conditions of an Automobile and the Selection of Power Transmission Gear Ratios

already recommended by Doctor of Technical Sciences N.N. Kulikov in 1951. There are 1 set of graphs, 1 graph and 2 Soviet references.

ASSOCIATION: MVTU imeni Baumana (MVTU imeni Bauman)

✓

Card 2/2

KOLCHIN, N.I., zasl. deyatel' nauki i tekhniki RSFSR, doktor tekhn. nauk, prof.; VEYTS, V.L., kand. tekhn. nauk; MITSENGENDLER, M.L., inzh.; SMIRNOV, G.A., kand. tekhn. nauk, retsenzent; GINZBURG, Ye.G., kand. tekhn.nauk, red.; ONISHCHENKO, R.N., red. izd-va; BARDINA, A.A., tekhn. red.

[Fundamental information on gear transmissions and meshings]
Osnovnye svedeniia o zubchatykh peredachakh i zatspleniiakh.
Pod obshchei red. N.I.Kolchina. Moskva, Mashgiz, 1962. 144 p.
(Bibliotekha zuboreza, no.1) (MIRA 16:1)
(Gearing)

RABKIN, Boris Naumovich; SMIRNOV, Georgiy Aleksyevich; KOLOTUSHKIN,
V.I., redaktor; SKVORTSOV, I.M., tekhnicheskiy redaktor

[Handbook on the use of lubricants in peat enterprises] Ru-
kovodstvo po primeneniiu smazochnykh materialov na torfopred-
priatiakh. Moskva, Gos.energ.izd-vo, 1955. 94 p.
(MLRA 9:3)

(Lubrication and lubricants) (Peat)

SMIRNOV, G.A., inzh.

PMG-29 fire engine for fire-fighting at milled-peat works.
Torf.prom. 36 no.4:25-27 '59. (MIRA 12:9)

1. Giprotorf.
(Peat industry--Equipment and supplies) (Fire engines)

SMIRNOV, G. A.

In the permanent commission of equipment for peat winning
and processing. Torf.prom. 39 no.4:39 '62. (MIRA 15:7)
(Peat machinery)

SMIRNOV, G.A., inzh.; METELKIN, A.G., inzh.

Oil purification by a full-flow reactive centrifuge. Trakt. i
sel'khozmash. 31 no.12:9-11 D '61. (MIRA 15:1)

1. Nauchno-issledovatel'skiy avtotraktornyj institut (for Smirnov).
2. Vladimirskiy traktornyj zavod (for Metelkin).
(Oil filters) (Tractors--Engines)

SMIRNOV, G. A.

Smirnov, G. A. "The method of mud treatment of LCR diseases at the Pyatigorsk spa", Stornik trudov leingr. nauch.-issled. in-ta po bolcznym ukh, nose, gorla i rechi, Vol. IX, 1948, p. 229-33.

SO: U - 3042, 11 March 53, (Letopis "Zhurnal "nykh Statey, No. 7, 1949)

SMIRNOV, Grigeriy Aleksandrovich.

[Otorhinolaryngology for the polyclinic and out patient physician]
Oto-rine-laringeologiya ambulaturno-poliyalicheskogo vracha; v gra-
ficheskem izobrazhenii. Leningrad, Medgiz, 1955. 250 p. (MLRA 9:5)
(OTORHINOLARYNGOLOGY)

SMIRNOV, G.A., (Kolpino)

Collapsible four-pole swing for studying and training the vestibular apparatus. Vest. oto-rin. 17 no.5:74 S-0 '55. (MLRA 9:2)

(VESTIBULAR APPARATUS.
collapsible swing for funct. test & train. of
vestibular appar.)

VX
SMIRNOV, G. A. Cand Med Sci -- (diss) "Principles of ~~XXX~~ Structure and Contents of a Practical Manual on the Diseases of the Ear, Nose, and Throat ('Oto-Rhino-Laryngology in a Graphical Presentation for the Ambulatory-Polyclinic Physician')."~~XXX~~ Len, 1957.
10 pp 20 cm. (Len State Order of Lenin ^{In st} Univ for the Advanced Training of Physicians im S. M. Kirov), 200 copies (KL, 25-57, 119)

SMIRNOV, G.A., kand.med.nauk; SMOL'NIKOVA, A.S., starshaya meditsinskaya sestra

Nutrition of patients following tonsillectomy. Med. sestra 21 no.4:
34-35 Ap '62. (MIRA 15:4)
(TONSILS--SURGERY) (DIET IN DISEASE)

SMIRNOV, G.A., kand.med.nauk

Exercise therapy in chronic tonsillitis before and after tonsillectomy.
Med. sestra 21 no.5:46-47 My '62. (MIRA 15:5)

1. Iz Otorinolaringologicheskogo otdeleniya Kolpinskoy gorodskoy
ob'yedinennoy bol'nitsy No.1.
(EXERCISE THERAPY) (TONSILS--DISEASES)

SMIRNOV, G.A., kand.med.nauk.

Aerosol therapy in diseases of the upper respiratory tract.
Med. sestra 22.no.4:35-39 Ap '63. (MIRA 16:7)

1. Iz Kolpinskoy gorodskoy ob'yedinennoy bol'nitsy No.1 Leningrada.
(RESPIRATORY ORGANS—DISEASES) (AEROSOL THERAPY)

SMIRNOV, G.A., kand.med. nauk

Plastic surgery on the tympanal organ. Med. sestra 22 no.8:
(MIRA 16:10)
43-49 Ag'63.

1. Iz otorinolaringicheskogo otdeleniya Kolpinskoy gorodskoy
ob'yedinennoy bol'nitsy No.1.
(TYMPANAL ORGAN—SURGERY)

KOSUL'NIKOVA, G.M., operatsionnaya meditsinskaya sestra; SMIRNOV, G.A.,
kand.med.nauk

Surgical gauze helmet-mask. Med. sestra 22 no.10856 0163
(MIRA 16:12)

1. Iz Otorinolaringologicheskogo otdeleniya Kolpinskoy go-
rodskoy ob'yedinennoy bol'nitsy №.1, Leningrad.

SMIRNOV, G.A.; KOZULITSYNA, T.I.

Comparative study of phthivazide and tubazid metabolism in the body of tuberculosis patients. Sov. med. 26 no.11:84-89 №62
(MIRA 17:3)

1. Iz 1-go terapevticheskogo otdeleniya (zav. - deystvitel'nyy chlen AMN SSSR prof. N.A. Shmelev), biokhimicheskoy laboratorii (zav. - doktor med. nauk R.A. Radkevich) i mikrobiologicheskoy laboratorii (zav. - prof. A.I. Kagramanov) Instituta tuberkuleza AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. N.A. Shmelev).

GREBENNIK, L.I.; GNEVKOVSKAYA, T.V.; SMIRNOV, G.I.

Metabolism of vanillin as a pharmacological ingredient. Vop.
med. khim. 9 no.2:127-133 Mr.-Ap '63. (MIRA 17:8)

1. Otdel khimioterapii Vsesoyuznogo nauchno-issledovatel'skogo
khimiko-farmatsevticheskogo instituta imeni Ordzhonikidze i
Institut tuberkuleza AMN SSSR, Moskva.

SMIRNOV, G.

Specialized automotive transportation firms. Avt. transp. 43
no.1:27-29 Ja '65. (MIRA 18:3)

1. Transportnoye upravleniye Glavsevkvstroya.

SMIRNOV, G., podpolkovnik

On the same wave; a sketch. Komm. Vooruzh. Sil 5 no.22:48 N 164.
(MIRA 17:12)

SMIRNOV G. A.

USSR/Geology
Stratification

Oct 1947

"Zilair Layers on the Western Slopes of the Central Urals," G. A. Smirnov, Ural State Geol Adm, 2 pp

"Dok Akad Nauk SSSR, Nova Ser" Vol LVIII, No 3

In 1930, Librovich first informed the world of presence of a Zilair strata in south part of the Urals. Author states results of many years of work he conducted to determine the true nature of the Zilair layers he discovered in the southern part of the Ufimsk amphitheater. Discusses nature of these deposits and some of the animal and vegetable remains obtained from them. Submitted by Academician D. V. Malivkin, 23 Apr 1947.

49121

SHERNOV, G. A.

35920. Zilairskaya svita v yushnoy chasti ufimskogo amfiteatra.
zapiski ural'skogo teat. O-va, VYP. 2, 1949, S. 59-61.

SO: Leto is' zhurnal'nyi. Stol'ey, No. 49, 1949

SKIRNOV, G. A.

PA-67T37

USER/Geological Prospecting

Coal

Stratification

May 1948

"Mesocarboniferous Deposits in the Southern Part of
the Western Slope of the Central Urals," G.A.
Smirnov, 24 pp

"Dok At Nauk SSSR, Nov Ser" Vol. LVI, No 6

written to supply needed information on the central
rock coal deposits of the Urals. Data used here was
first obtained by G.M. Todorovich. Draws conclusions
about the nature of the deposits of this central coal
basin. Indicates that there is relation between the

REB

67T37

USER/Geological Prospecting (Contd)

May 1948

western Carboniferous layers and the basic terrigenous
layers of the eastern slopes. Submitted by Academi-
cian D.V. Mal'kin 23 Mar 1948.

REB

67T37

RESULTS AND DISCUSSION

8

Iron quartzite in a profile of the proterozoic era in the Middle Urals. G. A. Svirnov and T. A. Svirnova. Doklady Akad. Nauk (U.S.S.R.) 61, 117-120 (1948). The mineralogical compn. of the iron quartz under discussion consists of 30-60% SiO₂ and 30-30% magnetite, with some hornblende, apatite, and occasionally some hematite. An av. compn. of the ore (the coverage of 53 analyses) is: SiO₂ 47.73%, TiO₂ 0.2, FeO₂ 42.18, FeO 14.69, S 0.02%, and P 0.07%. The geologic origin of the deposit is discussed. J. S. Jolle

ALUMINA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001651520007-4"

31 July 1, 1948.

TA 11 1948

USSR/Geological Prospecting
Iron Ores

Jul 48

"Ferrous Quartzites in the Proterozoic Strata of the
Central Urals," G. A. Smirnov, T. A. Smirnova, Ural
State Geol Adm, 2 $\frac{1}{2}$ pp

"Dok Ak Nauk SSSR" Vol LXI, No 2

Ferrous quartzites, although among the most common
of the poorer iron ores, are somewhat unusual in the
Urals. Authors present results of investigations in
1941. Submitted 22 Apr 48.

11/49T44

S. F. U. V., C. A.

26295

Cyetyestvverrey vremitsye ryazhdu syedrim i yuzhnyu uralem. Izvestiya vsyesoyuz.
Geogr. LVA 1949, Nyp. 5, S. 573-74 - Bibliogr: 7 nazv. Khranov, S. F.
sinopticheskaya ryetycerologiya kak ryogeograficheskaya nauka - sm. 26288
5. Biologich eskiye nauki
1. Faunontologiya

SC: LETOTIS NO. 34

SPIRNOV, G. A.

"Some Comments in regard to N. P. Kheraskov's Article "Principles of compilation of tectonic maps on folded Regions similar to those of the Southern Ural Regions",
Iz. Ak. Nauk SSSR, Ser. Geol., 3, 1949.

SMIRNOV, G. A.

"Certain Regularities in the Developments of Nonconformities in Structures," Iz. Ak.
Nauk SSSR, Ser. Geol., No. 3, 1949.

SMIRNOV, G.A.

New data on the geology of the Ufa amphitheater. Biul. MOIP.
Otd. geol. 24 no.5:20-30 '49. (MIRA 11:5)
(Ural Mountains--Geology, Stratigraphic)

SMIRNOV, G.A.

Paleoecological study of the Vise stage in the central Urals.
Biul. MOIP. Otd. geol. 26 no.4:74-76 '51. (MIRA 11:5)
(Ural Mountains--Paleontology)
(Paleoclimatology)

SMIRNOV, G.A.

New find of the Ordovician fauna in the Urals. Biul. MOIP. Otd.
geol. 26 no.4:77-78 '51. (MIRA 11:5)
(Ural Mountains-- Paleontology)

SMIRNOV, G. A.

Geology

For the honor of national geology ("Outline history of geological research in Russia." A. V. Khabakov. Reviewed by G. A. Smirnov.), Izv. AN SSSR. Ser. geol., no. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952. Unclassified.

SMIRNOV, G. A.

Geology, Stratigraphic - Ural Mountain Region

Oblique stratification of sandstone in a Lower Carboniferous coal seam on the eastern slope of the Central Urals. Biul. MOIP. Otd. geol. 27 no. 3, 1952.

Monthly List of Russian Accessions, Library of Congress. November 1952. UNCLASSIFIED.

SMIRNOV, G.A.

[The age of the earth] O vozraste zemli. Moskva, Izd-vo Znanie, 1953. 31 p.
(MLRA 6:9)
(Earth--Age)

SMIRNOV, G.A.

Materials on the paleogeography of the Paleozoic of the Urals;
article 1; Middle Carboniferous. Trudy Gor.-geol.inst. no.22;
3-33 '53. (MLRA 7:3)
(Ural Mountains--Paleogeography) (Paleogeography--Ural Mountains)
(Ural Mountains--Geology, Stratigraphic)
(Geology, Stratigraphic--Ural Mountains)

SMIRNOV, G. A.

USSR/Geology - Granite, Urals

21 Jun 53

"The Age of Granite Intrusives in the Urals," G. A. Smirnov and T. A. Smirnova, Mining-Geological Inst, Ural Affiliate, Acad Sci USSR

DAN SSSR, Vol 90, No 6, pp 1139-1141

State that some granite blocks of the Urals stratigraphically inconsistently occur in the middle Devonian and in the Vizeyskiy deposits; that is, they are deposits belonging to the age of the great transgression. Mention that a greater positive role in solving this important problem could be performed by

269T61

mass application of radiometric methods -- the introduction of which are urgently necessary -- for determining the age of mineral rocks. Presented by Acad D. S. Belyankin (deceased) 24 Apr 53.

SMIRNOV, G. A.

USSR/ Geology

Card 1/1 Pub. 22 - 32/47

Authors : Smirnov, G. A., and Svirshchevskiy, I. S.

Title : The paleographic value of the diagonal stratification of sandstones of the coal-bearing stratum in the Kizel region of the Ural

Periodical : Dok. AN SSSR 100/6, 1151-1153, Feb 21, 1955

Abstract : Geological data are presented concerning the diagonal stratification of the sandstones found in the carboniferous strata of the Kizelovsk region in the Urals. Ten USSR references (1926-1954). Illustration.

Institution : Academy of Sciences USSR, Ural Branch, Mining-Geological Institute

Presented by: Academician N. M. Strakhov, December 14, 1954

SMIRNOV, G.A.; IVANOV, A.N., doktor geologo-mineralogicheskikh nauk, redaktor;
IL'INA, N.S., redaktor; MAKUNI, Ye.V., tekhnicheskiy redaktor.

[Ufa amphitheater] Ufimskii amfiteatr. Part 1. [Stratigraphic description]
Stratigraficheskoe opisanie (Moskva, Izd-vo Akademii nauk SSSR, 1956. 172p.
(Akademiia nauk SSSR, Ural'skii filial, Sverdlovsk, Gorno-geologicheskii
institut. Trudy no.25) (MLRA 9:6)
(Ural Mountain region--Geology, Stratigraphic)

15-57-5-5692

The Role of V. N. Tatishchev in the Development (Cont.)

of supervisors from Moscow. He established the first mining and manufacturing codes in Russia; he did much to purify Russian mining terminology of foreign terms. It was due to his initiative that the plant laboratories began collections of ores and minerals which later developed into local museums; moreover, it was under his direction that the mineralogical collection was set up at the "Cabinet of Curiosities" organized in St. Petersberg in 1719. The maps of the Urals made under Tatishchev's direction and with his personal participation were not outstanding in their accuracy, but they did indicate the ore deposits and mineral sources known at that time. V. N. Tatishchev tried to get the government to send experienced geodesists who knew astronomy to the Ural district. In Tatishchev's published works we find his views on the nature of fossils in general, on the nature of the mammoth bones in particular, on the origin of hard coal from vegetable remains, on the origin of caves, on the curative values of certain mineral waters in the Urals, etc.

D. I. G.

Card 2/2

Smirnov, G. A.
15-1957-1-27
Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 1,
p 6 (USSR)

AUTHOR: Smirnov, G. A.
TITLE: Aleksey Nikolayevich Ivanov, the Oldest Geologist
of the Urals (Stareyshiy geolog Urala Aleksey
Nikolayevich Ivanov)
PERIODICAL: Tr. Gorno-geol. in-ta. Ural'sk. fil. AN SSSR, 1956,
vol 24, pp 5-9
ABSTRACT: Aleksey Nikolayevich Ivanov, director of the
stratigraphic and paleontologic laboratories of
the Mining Geological Institute at the Ural branch
of the Acad. Sci. USSR, was born in 1869. In his
youth he became acquainted with mining at the
~~Ivan'yevka~~ hard coal fields, where he worked as
a mine surveyor and studied the methods of developing

Card 1/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651520007-4"

Aleksey Nikolayevich Ivanov, the Oldest Geologist of the Urals
(Cont.) 15-1957-1-27

natural resources under the guidance of his father, N. P.
Ivanov. In 1917 he joined the Perm' University as an
assistant in the department of geology. In 1919 he was
assigned by the geological commission to begin the planimetric
geological investigation on the northern slope of the Urals;
here he spent 15 years studying the hard coal deposits and
searching for the new sources of this material. He introduced
much new knowledge into the stratigraphy of hard coal deposits,
and particularly into the coal stratigraphy of the Tournaisian
stage. At the same time he spent many years teaching in the
Sverdlovsk Mining Institute. In the 1930's he played a major
role in the creation of the Ural Geological Museum in
Sverdlovsk and was particularly instrumental in the develop-
ing of its stratigraphic division. Between the 1930's and
the present time he spent much effort on investigating of the
Ordovician deposits at the western slope of the Urals, and
especially on the study of the fossils in these formations.

Card 2/2

D.I.G.

SMIRNOV, G.A. (Sverdlovsk)

Fossil holes in limestones. Priroda 45 no.6:115-116 Je '56.
(MLRA 9:8)

1. Ural'skiy filial Akademii nauk SSSR.
(Limestone) (Paleogeography)

~~SMIRNOV, G.A., KHABAKOV, A.V., kand. geol.-mineral. nauk, otd. red.; POTAPOVA, T.S., red.; IZNODEN'NOVA, L.A., tekhn. red.~~

[Materials on the paleogeography of the Urals; Visean stage] Materialy k paleogeografiia Urala; vizeiskii iarus. Sverdlovsk, 1957. 112 p.
(Akademia nauk SSSR, Ural'skii filial, Sverdlovsk. Gorno-geologicheskii institut. Trudy, no.29). (MIRA 11:3)
(Ural Mountains--Paleogeography)

SMIRNOV, G.A.; SMIRNOVA, T.A.

Basic paleogeographic features of the Urals during the Famennian
stage. Dokl. AN SSSR 135 no.4:937-939 '60. (MIRA 13:11)

1. Gorno-geologicheskiy institut Ural'skogo filiala Akademii
nauk SSSR. Predstavлено академиком D.V.Nalivkinym.
(Ural mountain region--Paleogeography)

SMIRNOV, G.A.; SMIRNOVA, T.A.; KHABAKOV, A.V., otv.red.; TAMKOVA, N.F.,
tekhn.red.

[Materials on the paleogeography of the Urals] Materialy k
paleogeografiia Urala. Ocherk 3. Famenskii vek. Sverdlovsk, 1961.
83 p.. (Akademia nauk SSSR. Ural'skii filial, Sverdlovsk.
Gorno-geologicheskii institut. Trudy, no.60). (MIRA 16:2)
(Ural Mountains—Paleogeography)

SMIRNOV, G.A.; GROZDILLOVA, L.P.; LEBEDEVA, N.S.; VOSHCHAKIN, M.A.

Characteristics of the boundary layers between the Tounaisian and
Visean stages on the western slope of the central Urals. Dokl.
AN SSSR 149 no.2:395-398 Mr '63. (MIRA 16:3)

1. Institut geologii Ural'skogo filiala AN SSSR. Predstavлено
академиком Н.М.Страховым.
(Ural Mountains--Geology, Stratigraphic)

EYNOR, O.L.; BEL'GOVSKIY, G.L.; SMIRNOV, G.A.

Basic characteristics of the geological development and paleo-
geography of the U.S.S.R. in the Carboniferous. Sov. geol. 8
no.8:32-44 Ag '65. (MIRA 18:10)

1. Kiievskiy gosudarstvennyy universitet; Vsesoyuznyy nauchno-
issledovatel'skiy geologicheskiy institut i Gorno-geologicheskiy
institut Ural'skogo filiala AN SSSR.

SMIRNOV, G.N.

Significance of acetylation and oxidation in the pharmacological
of preparations of isonicotinic acid hydrazide. (Russian).
Li no.1250-58 Ja.-F '65.

1. I terapeuticheskaya klinika i biokhimicheskaya laboratoriya
Tsentral'nogo nauchno-issledovatel'skogo in-ta po problemam lecheniya
Ministerstva zdravookhraneniya SSSR.

GRIGOR'YEV, M.A., kand. tekhn. nauk; SMIRNOV, G.A., inzh.

Standardization of the rotors of tractor and motortruck oil
centrifuges. Trakt. i sel'khozmash. 33 no.11:15-18 N '63.
(MIRA 17:9)

1. Gosudarstvennyy soyuznyy ordena Trudovogo Krasnogo Znameni
nauchno-issledovatel'skiy avtomobil'nyy i avtomotornyy institut
(for Grigor'yev). 2. Gosudarstvennyy soyuznyy nauchno-issledo-
vatel'skiy traktornyj institut (for Smirnov).

L-60277-65

ACCESSION NR: AT5019453

UR/0000/63/000/000/0006/0017
621.431.73-73(06)13
B+1

AUTHOR: Smirnov, G. A. (Engineer)

TITLE: Development of the designs of a series of rotors of reactive centrifuges used in diesel tractor engines

SOURCE: Seminar po ochistke vozdukha, topliva i masla, 1962. Trudy, no. 3. Moscow, NAMI, 1963, 6-17

TOPIC TAGS: reactive centrifuge, diesel engine, oil purification, rotor

ABSTRACT: The object of the work (started in 1962) was to develop a standard design of several rotors of different size to be used in reactive centrifuges for oil purification in diesel tractor engines. Russian mass-production of the reactive centrifuges for diesel-type tractors was the ultimate target of this effort. Such centrifuges effect better oil purification than the finest oil filters. The development program was based on three British-made (Glasier Company) reactive centrifuges: type GF-0, GF-I, and GF-2. These centrifuges were mounted on a branch-line of the main oil circulation system or directly on the central oil circulation line. The

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L 60277-65

ACCESSION NR: AT5019453

tests were conducted under various simulated operational conditions. Aluminum and bronze served as construction materials. For a nominal 5000 rpm the basic dimensions and other characteristic features such as volume of the rotor (in cm^3), dry weight of the rotor (in kg's), permissible rotor unbalance (in $\text{gram}\cdot\text{cm}$), etc. were determined for a series of rotors. On the basis of this study optimum rpm's for maximum oil purification were determined for each rotor of the standard series. Finally, for each rotor, the oil throughput (kg/min) was plotted as a function of inlet pressure (kg/cm^2) and rotor rpm. Two cases were considered: 1. centrifuge installed directly on the central oil circulation line, and 2. on the by-pass line. Orig. art. has: 5 tables and 5 figures.

ASSOCIATION: NATI

SUBMITTED: 28Aug63

ENCL: 00

SUB CODE: PR, FP

NO REF SOV: 000

OTHER: 000

bab
Card 2/2

SMIRNOV, G.A.

Treatment of pulmonary tuberculosis with antibacterial preparations
in the Yakut A.S.S.R. Probl. tub. 38 no. 5:33-36 '60.

(MIRA 14:1)

(TUBERCULOSIS)

SHMELEV, N.A., prof.; KOZULITSYNA, T.I., kand.med.nauk; SMIRNOV, G.A., aspirant

Problem of rapid inactivation of phthivazid in the body of tuberculosis patients. Probl.tub. no.6:32-37 '61.

(MIRA 14:9)

1. Iz Institute tuberkuleza (dir. - chlen-korrespondent AMN SSSR prof. N.A. Shmelev) AMN SSSR.
(ISONICOTINIC ACID) (TUBERCULOSIS)

SHCHEV, G.A.; KOTYKOVSKII, O.I.

Relation of the toxic action of phenylhydiazide to the nature of
its conversion in the body. Vop. med. tritr., t. no.4:401-406
(MIRA 17:11)
Jl-Ag 162.

1. I-ye terapeuticheskoye oddeleniye, Vichimicheskaya i mikro-
biologicheskaya laboratoriya Instituta tuberkuleza Ministerstva
zdravookhraneniya SSSR, Moskva.

SMIRNOV, G.A.; KOZULITSYNA, T.I.

Comparison of chemical and microbiological methods of determining the
inactivation of preparations of isonicotinic acid hydrazide. Lab. delo
(MIRA 17:4)
no.1:48-52 '64.

1. 1-ye terapevticheskoye otdeleniye, biokhimicheskaya i mikrobiolog-
cheskaya laboratoriya TSentral'nogo instituta tuberkuleza (direktor -
deystvitel'nyy chlen AMN SSSR prof.N.A.Shmelev) Ministerstva zdravo-
okhraneniya SSSR, Moskva.

VELICHKIN, I.N., kand. tekhn. nauk; SMIRNOV, G.A., inzh.; NEZELENOV, Yu.V.

Increasing the operational reliability and the effectiveness of oil
purification systems of tractor engines. Trakt. i sel'khozmash. no.7:
6-8 Jl '65. (MIRA 18:7)

1. Gosudarstvennyy soyuznyy nauchno-issledovatel'skiy traktornyj institut.

L 8188-66

ACC NR: AP5025428

SOURCE CODE: UR/0145/65/000/007/0118/0126

15
B

AUTHOR: Smirnov, G. A. (Candidate of technical sciences, Docent)

ORG: MVTU im. N. E. Bauman (MVTU)

TITLE: Distribution of traction forces among the wheels of multi-axle driven automobiles during travel on irregularities

SOURCE: IVUZ. Mashinostroyeniye, no. 7, 1965, 118-126

TOPIC TAGS: highway vehicle data, vehicle engineering, traction torque, automobile traction, tire torque

ABSTRACT: The distribution of normal forces (and thus traction forces) in a multi-axle automobile going over a bump is considered by analyzing the simplified model shown in Fig. 1. The equations for angle β and the reaction forces R'_i are derived as

$$\tan \beta = \frac{n \left[\frac{G_1}{2} a \pm \frac{P_1}{2} h_s + \frac{P_w}{2} h_w + \frac{P_{sp}}{2} h_{sp} + \sum (P_i r_{xi}) \right] - \frac{G_1}{2} \sum l_{xi}}{c_{equ.} [n \sum l_{xi} - (\sum l_{xi})^2]}$$

$$R'_i = \frac{1}{n} \left\{ \frac{G_1}{2} - (\sum l_{xi} - n l_0) \frac{n \left[\frac{G_1}{2} a \pm \frac{P_1}{2} h_s + \frac{P_w}{2} h_w + \frac{P_{sp}}{2} h_{sp} + \sum (P_i r_{xi}) \right]}{n \sum l_{xi} - (\sum l_{xi})^2} \right\}$$

UDC: 629.114.4

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L 8188-66

ACC NR: AP5025428

$$R' = \frac{1}{n} \left[c_{\text{equ}} h - (\Sigma l_i - n l_0) \frac{c_{\text{equ}} n l_n - c_{\text{equ}} h \Sigma l_i}{n \Sigma l_i^2 - (\Sigma l_i)^2} \right]$$

By assuming the tangential elasticity of all tires as equal and the dynamic tire radius equal to the radius of curvature of the tire, the equation for the driving or braking (minus sign) forces is derived as

$$P_{xi} = \frac{P_i}{2n} - \frac{h c_{\text{equ}}}{n c_t \lambda} \left[1 + (\Sigma l_i - n l_0) \frac{\Sigma l_i - n l_0}{n \Sigma l_i^2 - (\Sigma l_i)^2} \right]$$

(where c_t = tire stiffness; λ = tangential stiffness; $\sum P_{ki} = P_{\Sigma}/2$) for the case of a blocked transmission and equal drive stiffness between tires. This equation holds only for wheels which are in contact, and the whole load is redistributed on the remaining wheels when one or more wheels loses contact. An example is presented showing the distribution of driving torques in a four-axle automobile. The sum of the maximum deviations from the average torque is also plotted as a function of number of axles and axle spacing. The heights h_1 of a bump for which an idle torque develops and h_3 for which slipping of a wheel occurs are derived as

$$h_1 = \frac{P_i \lambda c_t}{2 n c_{\text{equ}} k}$$

and

$$h_3 = \frac{\lambda c_t (P_i - \varphi O_i)}{2 n k (\varphi c_{\text{equ}} c_t \lambda + c_t)}$$

Card 3/4

26(2)

PHASE I BOOK EXPLOITATION

SOV/3155

Smirnov, Gennadiy Dmitrievich

Elektronnyye tsifrovyye mashiny (Electronic Digital Computers) Moscow,
Gosenergoizdat, 1958. 87 p. (Series: Massovaya radiobiblioteka, vyp. 315)
42,500 copies printed.

Ed.: V.K. Zeydenberg; Tech. Ed.: G.Ye. Larionov; Editorial Board:
A.I. Berg, F.I. Burlyayev, V.A. Burlyand, V.I. Vaneyev, Ye.N. Genishta,
I.S. Dzhigit, A.M. Kanayeva, E.T. Krenkel', A.A. Kulikovskiy, A.D. Smirnov,
P.I. Tarasov, and V.I. Shamshur.

PURPOSE: The book is intended for radio amateurs and other readers familiar
with the fundamentals of radio engineering.

COVERAGE: The author outlines the mathematical principles underlying the
construction of electronic computers and describes their principle of
operation. He investigates the circuits of separate computer components
and units and briefly describes their characteristic features. In a
brief historical review he enumerates recent achievements in computer
engineering and announces a projected increase in Soviet production of

Card 1/3

Electronic Digital Computers

SCV/3155

Control Devices

75

Check of Computations

80

Input and Output

83

Applications of Electronic Digital Computers

84

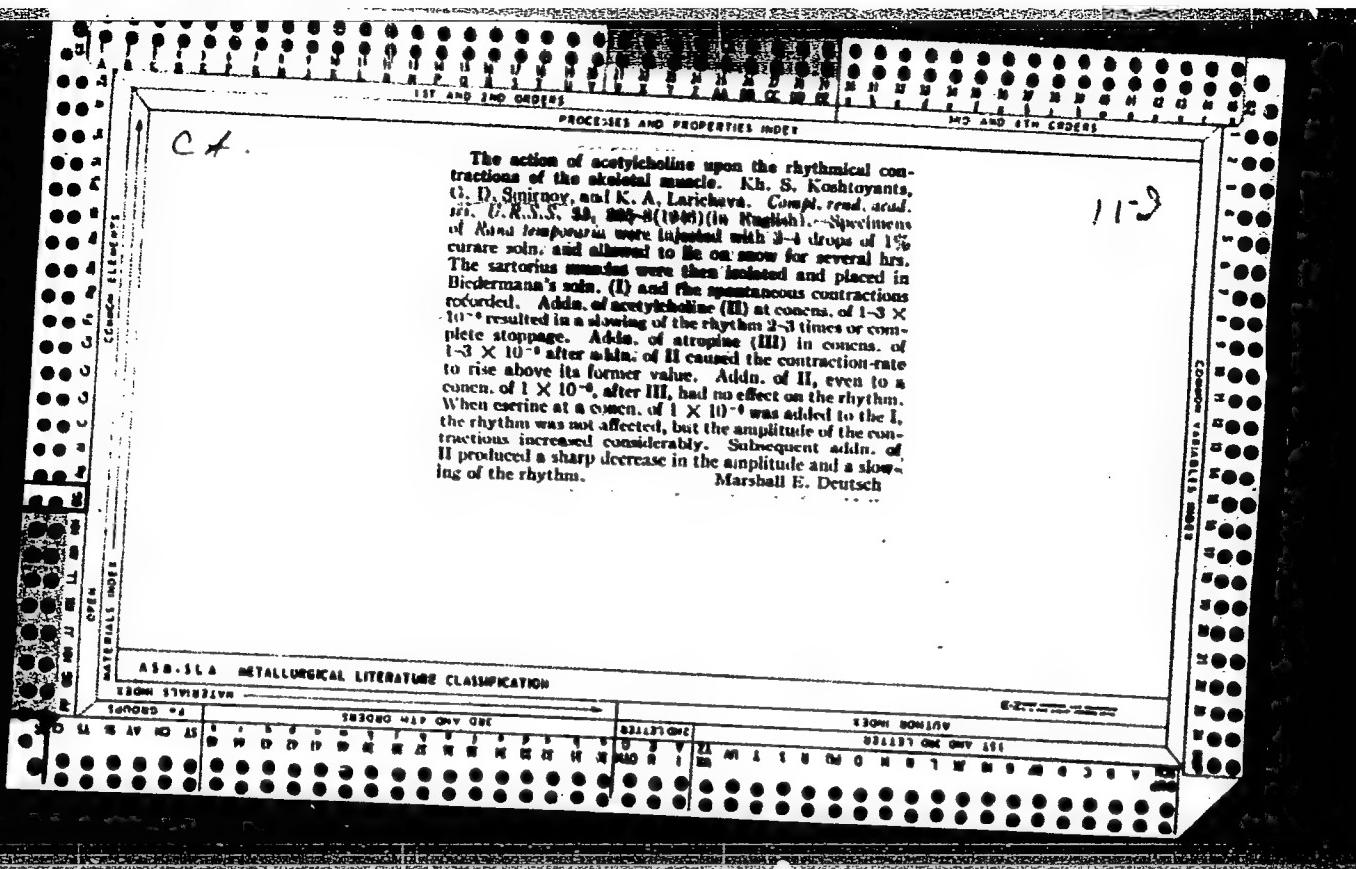
AVAILABLE: Library of Congress (QA76.5.S57)

JF/3b
2248-60

Card 3/3

SMIRNOV, Gennadiy Dmitriyevich; MEDVEDEV, I.M., podpolkovnik, red.;
SRIBNIS, N.V., tekhn. red.

[Navigational satellites] Navigatsionnye sputniki. Moskva,
(MIRA 16:6)
Voenizdat, 1963. 87 p.
(Artificial satellites in navigation)



Smirnov, G. D.

38T78

USSR/Medicine - Sulfates - Effect
Medicine - Nervous System, Neuromuscular

Nov 1947

"Question of Mechanisms of Effect of Disopropyl-
fluorophosphates," G. D. Smirnov, Laboratory of Evolutionary
Physiology, Institute of Evolutionary Physi-
ology imeni A. N. Severtsov, Academy of Sciences
of the USSR, 4 pp

"Dokl Ak Nauk" Vol LVIIL, No 4

Much research has been conducted on the effect of
acetylcholine on the actions of the nerve and neuro-
muscular synapses. Recently, however, a new substance,
disopropylfluorophosphate, which evidences a very
strong anti-cholinesterase effect was discovered.

38T78

USSR/Medicine - Sulfates - Effect (Contd) Nov 1947

Author discusses some of the properties and charac-
teristics of this new chemical compound. Submitted
by Academician I. S. Beritashvili, 17 Aug 1947.

38T78

SMIENOV , G. D.

PA FFER

USSR/Medicine - Heart, Cardiography
Medicine - Invertebrates

Apr 1948

"Features of Electrocardiograms of Invertebrates
(Grape Snails)," G. D. Smirnov and T. M. Turpayev,
Inst of Evolutionary Morph imeni A. N. Severtsov,
Acad Sci USSR, 3 pp

"Dok Ak Nauk SSSR" Vol LX, No 3

Experiments and studies on electrocardiograms showed
that these are dependent not only on factors relative
to development of excitation in myocardium but on sum
of processes which result from coordinated action of
various parts of heart. Submitted by Acad I. I.
Shmal'gauzen 27 Feb 1948.

77T70

SURVEY, R. D.

PA 53/49T57

USSR/Medicine - Acetylcholine and Choline Oct 48

Derivatives

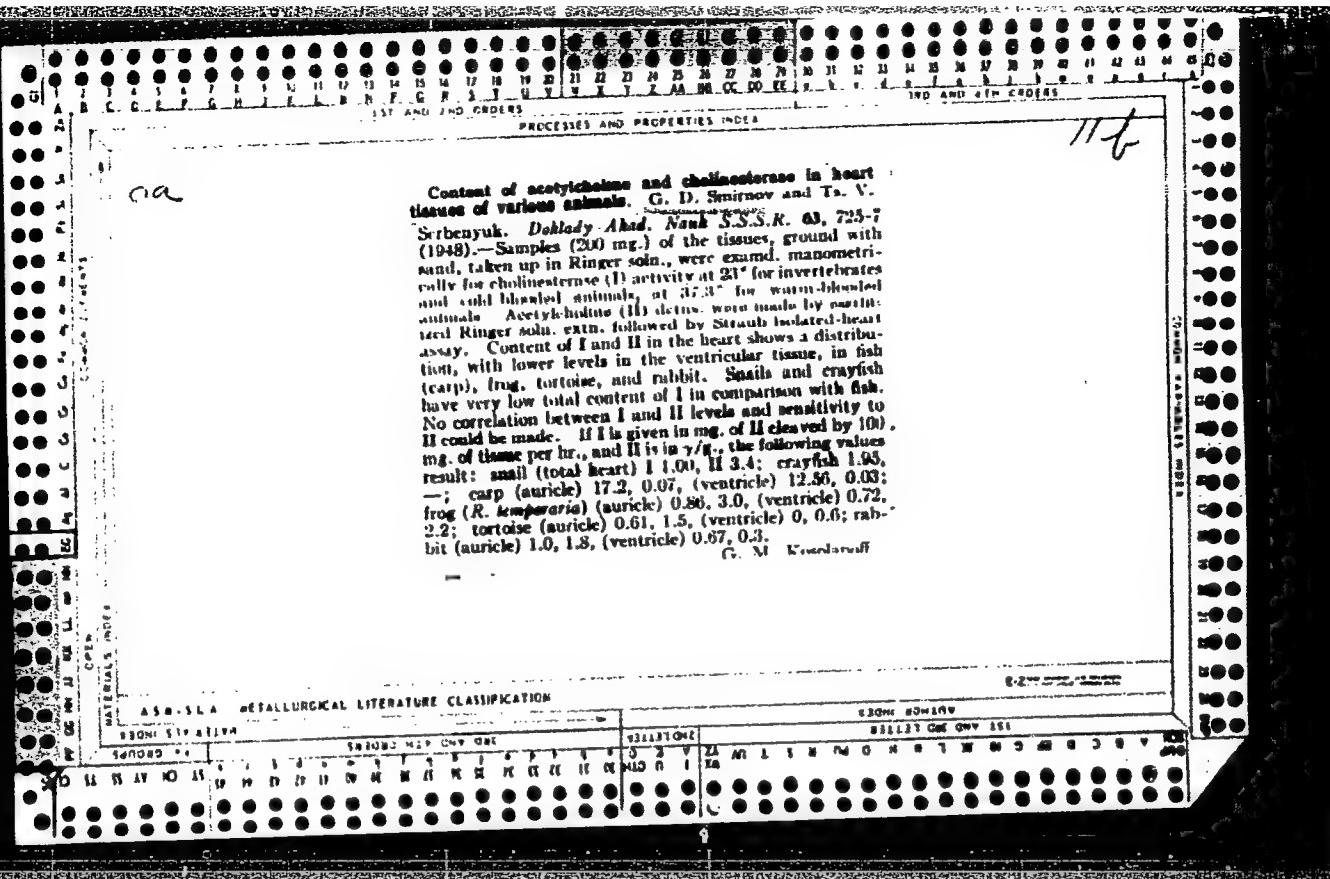
Medicine - Biochemistry

"Acetylcholine and Cholinesterase Content of the
Cardiac Tissues in Various Animals," G. D. Smirnov
Ts. V. Serbenyuk, Inst of Evolutionary Morph.
Inst A. I. Severtsov, Acad Sci USSR, 3 pp

"Dok Ak Nauk SSSR" Vol LXII, No 5

Tabulates comparative data on the reaction of the
heart, or parts of the heart, to acetylcholine,
and the cholinesterase content. Data indicates
that cholinesterase activity is not a sign of
a cholinergic condition in the myocardium, and is
not directly connected with its innervation. Sub-
mitted by Acad I. A. Orbelli, 27 JUL 48.

53/49T57



11 L

eA

Thiamine levels in the nervous system of the carp family. G. D. Smirnov and L. M. Bykman (A. N. Severtsov, Inst. of Animal Morphology, Acad. Sci. U.S.S.R.). Doklady Akad. Nauk S.S.R. 60, 477-80 (1940). - Biol.

evaluation (by means of *Endomyces magnusii*) showed that specimens of carp have the following thiamine levels: brain 0.51-0.9 μ g., lateral nerves 0.2-0.42. Rabbits have 1.1-1.87 μ g. in the brain cortex, 0.6-1.275 in white brain matter, and 0.32-0.73 in the sciatic nerve. It is believed that carp are capable of synthesizing the vitamin *in vivo*. G. M. Kosolapoff

(BA- A III 1a '53:34)

BYZOV, A.L.; SMIRNOV, G.D.

Physiological analysis of blood pressure variations in anemia of the central nervous system. Fiziol. zh. SSSR 37 no.5:621-631 Sept-Oct 51.
(CLML 21:4)

1. Laboratory of General and Comparative Physiology, Institute of Animal Morphology imeni A.N. Severtsov of the Academy of Sciences USSR, Moscow.

SMIRNOV, G. D.

Materialistic and idealistic concepts of principles of behavior of animals; discussion on the symposium at the conference of the English Society of Experimental Biology, Physiological Mechanisms in Animal Behavior. Zh. vysshei nerv. deiat. 2 no. 1:133-150 Jan-Feb 1952.
(CIML 23:3)

l. Moscow.

1. SMIRNOV, G. D.
2. USSR (600)
4. Psychology, Physiological
7. "Physiology of the nervous system." Vol. 1.
Sechenov, I. M., Pavlov, I.P., Vyedenskiy, N. Ye.
Sov. kniga No.9, 1952
9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

SMIRNOV, G. D., BYZOV, A. L. and RAMPAN, Yu. I.

"Action of Thiol Poisons on Synaptic Transmission of Impulses in Sympathetic Ganglia," Dokl. AN SSSR, 87, No.1, pp 155-158, 1952

Inst. of Animal Morphology im. A. N. Severtsov, AS USSR

Translation W-27579, 27 Aug 53

SMIRNOV, G.Y.

SOBOL', S.L.; SMIRNOV, G.D.; ISAKOVA, O.V.; NESMEYANOV, A.N., akademik,
redaktor; TOPCHIYEV, A.V., akademik, redaktor.

[Khachatur Sedrakovich Koshtoiants] Vstup.stat'ia S.L.Sobolia i
G.D.Smirnova. Bibliografiia sostavlena O.V.Izakovoi. Moskva, 1953.
59 p. (Materialy k biobibliografii uchenykh SSSR. Seriya biologicheskikh
nauk: Fiziologija, vyp.5) (MLRA 7:3)

1. Akademiya nauk SSSR.
(Bibliography--Koshtoiants, Khachatur Sedrakovich, 1900-)
2. (Koshtoiants, Khachatur Sedrakovich, 1900- --Bibliography)

SMIHNNOV, G.D.; VINOGRADOV, P.M.

Electrical summation as one of indexes of cerebrocortical function.
Doklady Akad. nauk SSSR 91 no.2:433-436 11 July 1953. (CIML 25:1)

1. Presented by Academician K. M. Bykov 12 May 1953. 2. Institute
of Animal Morphology imeni A. N. Severtsov, Academy of Sciences USSR.

FD-132

USSR/Medicine - Physiology

Card 1/2 Pub. 33-6/25

Author : Smirnov, G. D., Byzov, A. L., and Rampan, Yu. I.

Title : Role of tissue sulphhydryl groups and acetylcholine secretion in transmission of excitation in the upper cervical sympathetic ganglia of a cat.

Periodical : Fiziol. zhur. 4, 424-430, Jul/Aug 1954

Abstract : Significance of tissue sulphhydryl groups is indicated in the process of synaptic transmission of excitation in mammals. This again confirms the significance of acetylcholine metabolism in transmission of excitation in the sympathetic ganglia. Results of experiments on cats reveal that interruption in acetylcholine secretion usually takes place after cadmium chloride is injected. This in turn blocks transmission of excitation in the upper cervical sympathetic ganglia. Action on preganglionic part of synapse, within which acetylcholine synthesis takes place, is produced mainly by ions of cadmium. Ezerine briefly renews restorative conductivity after it is injected under conditions of cadmium block. Restoration of acetylcholine secretion takes place during excitation after cysteine is injected, resulting in restoration of nerve impulse transmission across synapse. Diagrams. Nine Soviet and three non-Soviet references.

SMIRNOV, G. D.

"Soviet Report on Montreal International Physiological Congress," Vestnik
Akademii Nauk SSSR, Vol 24, No 1, pp 80-88, 1954

Translation W-30424, 2 Jun 54

SECHENOV, I.M.; GRILLERSHTEYN, S.G.; SHIRNOV, G.D.; KOSHTOYANTS, Kh.S.,
redaktor; MEDIN, Ye.I., redaktor; ASTAF'YEVA, G.A., tekhnicheskiy
redaktor.

[Collected works] Izbrannye proizvedeniia. Red. i posleslovie
Kh.S.Koshtoiantsa. Moskva. Izd-vo Akademii nauk SSSR. Vol.2.
[Physiology of the nervous system] Fisiologiya nervnoi sistemy.
(MIRA 9:5)
1956. 942 p.

(NERVOUS SYSTEM)

EXCERPTA MEDICA Soc.2 Vol.11/4 Physio-biochim-chim LITDO
Smirnov G.D.

1745. RHYTHMICAL ELECTRICAL PHENOMENA OF THE CNS. THEIR ORIGIN
AND FUNCTIONAL SIGNIFICANCE (Russian text) - Smirnov G. D.
Moscow - USP. SOVR. BIOL. 1956, 42/3 (320-342) Graphs 15 Illus. 2
An attempt has been made to explain the origin of the rhythmical variations of
electrical potentials of the cerebral cortex by the hypothesis of spontaneous func-
tion of cerebral cells. It is supposed to be a reflection of the automatical bio-
chemical functions or the metabolism of the nervous tissue. Experimental findings,
on the contrary, show that the activity of ganglion cells in the cortex is dependent
on the arrival of afferent impulses through the specific and unspecific pathways.

1785

The impulse of one ganglion cell is passed through the dendrites to the neighbouring cells, together with which they form a chain of neurons. In the circulation of impulses in such cortical and subcortical chains of neurons may be seen the basis of the production of rhythmical variations of electrical potentials. Bajer - Brno (II, 8*)

SMIRNOV, G.D.; ALADZHALOVA, N.A.

Electrical activity and impedance of the cerebral cortex. Dokl.
AN SSSR 106 no.3:573-576 Ja '56. (MLRA 9:6)

1. Institut morfologii zhivotnykh imeni A.N.Savertsova i Institut
biologicheskoy fiziki Akademii nauk SSSR.
(Cerebral cortex)

SMIRNOV, G. D., Doc Biol Sci -- (diss) "Electrical manifesta-
tions in the central nervous system and their changes under
~~certain effects~~
~~the influence of certain stimuli~~ upon tissue metabolism."
Mos, [Publication of Acad Sci USSR], 1957. 24 pp (Acad Sci
USSR, Inst of Morphology of Animals im A. N. Severtsov),
220 copies (KL, 52-57, 104)

- 24 -

SMIRNOV G.D.

AUTHOR: Rusinov, V. S., Corresponding Member, Academy of Medicine 30-1-17/39

TITLE: International Convention on Electroencephalography (Mezhdunarodnyy Kongress po elektroenzefalografi).
PERIODICAL: Vestnik AN SSSR, 1950, Vol. 20, Nr 1, pp. 94-97 (USSR)

ABSTRACT: This congress took place at Brussels from July 21 to July 28, and is part of the first international congress on neurology, taking place at the same time and which includes congresses on neuropathology, neurosurgery, and a congress of the Society for the struggle against epilepsy and a symposium on neuro-radiology. During the last ten years electroencephalography attracted ever growing attention of research workers. This development is closely connected with the general successes achieved by electronics. The congress was devoted to the most urgent questions of modern electrophysiology, viz. to the ontogenetic of the electric activity of the cerebrum of man and of animals, the electroencephalography of conditioned reflexes, the pathology and clinic of epilepsy etc. The Soviet scientists F. I. Bassin, Yu. S. Belyaev and K. G. Garkov reported on the electromyographical analysis of the changes of the muscular tension as a method of localizing organic affections in the central nervous system. The report delivered by V. S. Rusinov

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